PUGET SOUND AIR POLLUTION CONTROL AGENCY

ENGINEERING DIVISION
110 Union Street, Suite 500 • Seattle, WA 98101-2038
Telephone: (206) 689-4052

Notice of Construction and Application for Approval

FORM P SIDE 1

Be sure to complete items 39, 40, 41, & 43 before submitting Form P.

(AGENCY USE ONLY)
DATE _____ N/C NUMBER _____
REG. NO. _____ VAR. NO. _____
SIC. NO. _____ COS. NO. _____
GRID NO. _____ UTM _____

1. TYPE OF BUILDING (Check) ○ New ☒ Existing

2. STATUS OF EQUIPMENT (Check) ○ New ○ Existing ○ Altered ○ Relocation

7. APPLICANT

3. COMPANY (OR OWNER) NAME
Ash Grove Cement Co.

8. APPLICANT ADDRESS

4. COMPANY (OR OWNER) MAILING ADDRESS
3801 E. Marginal Way So. Seattle WA 98134

9. INSTALLATION ADDRESS
Same

5. NATURE OF BUSINESS
Portland Cement Manuf.

10. TYPE OF PROCESS

EQUIPMENT (ENTER ONLY NEW EQUIPMENT OR CHANGES. ENTER NUMBER OF UNITS OF EQUIPMENT IN COLUMN 'NO. OF UNITS.' COMPLETE FORM 'S' FOR EACH ENTRY.)

11. NO. OF UNITS	SPACE HEATERS OR BOILERS (Complete Form S-A)	14. NO. OF UNITS	OVENS	15. NO. OF UNITS	MECHANICAL EQUIP.	16. NO. OF UNITS	MELTING FURNACES
(a)		(a)	CORE BAKING OVEN	(a)	AREAS	(a)	POT
12. NO. OF UNITS	INCINERATORS (Complete Form S-B)	(b)	PAINT BAKING	(b)	BULK CONVEYOR	(b)	REVERBERATORY
		(c)	PLASTIC CURING	(c)	CLASSIFIER	(c)	ELECTRIC INDUC/RESIST
(a)		(d)	LITHO COATING OVEN	(d)	STORAGE BIN	(d)	CRUCIBLE
13. NO. OF UNITS	OTHER SYSTEMS	(e)	DRYER	(e)	BAGGING	(e)	CUPOLA
		(f)	ROASTER	(f)	OUTSIDE BULK STORAGE	(f)	ELECTRIC ARC
(a)	DEGREASING, SOLVENT	(g)	KILN	(g)	LOADING OR UNLOADING	(g)	SWEAT
(b)	ABRASIVE BLASTING	(h)	HEAT-TREATING	(h)	BATCHING	(h)	OTHER METALLIC
(c)	OTHER — SYSTEM	(i)	OTHER	(i)	MIXER (SOLIDS)	(i)	GLASS
(d)		(j)		(j)	1 OTHER Pipe and Feeder		OTHER NON METALLIC

17. NO. OF UNITS	GENERAL OPER. EQUIP.	17. NO. OF UNITS	GENERAL OPER. EQUIP.	17. NO. OF UNITS	GENERAL OPER. EQUIP.	18. NO. OF UNITS	OTHER EQUIPMENT
(a)	CHEMICAL MILLING	(f)	GALVANIZING	(k)	ASPHALT BLOWING	(a)	SPRAY PAINTING GUN
(b)	PLATING	(g)	IMPREGNATING	(l)	CHEMICAL COATING	(b)	SPRAY BOOTH OR ROOM
(c)	DIGESTER	(h)	MIXING OR FORMULATING	(m)	COFFEE ROASTER	(c)	FLOW COATING
(d)	DRY CLEANING	(i)	REACTOR	(n)	SAWS & PLANERS	(d)	FIBERGLASSING
(e)	FORMING OR MOLDING	(j)	STILL	(o)	STORAGE TANK	(e)	OTHER

CONTROL DEVICES (ENTER NUMBER OF UNITS OF EQUIPMENT IN SPACES IN COLUMNS. COMPLETE A FORM R FOR EACH ENTRY.)

19. NO. OF UNITS	CONTROL DEVICE	20. NO. OF UNITS	CONTROL DEVICE	21. NO. OF UNITS	CONTROL DEVICE	22. NO. OF UNITS	CONTROL DEVICE
(a)	SPRAY CURTAIN	(a)	AIR WASHER	(a)	ABSORBER	(a)	DEMISTER
(b)	CYCLONE	(b)	WET COLLECTOR	(b)	ADSORBER	(b)	BAGHOUSE
(c)	MULTIPLE CYCLONE	(c)	VENTURI SCRUBBER	(c)	FILTER PADS	(c)	ELEC. PRECIPITATOR
(d)	INERTIAL COLL. - OTHER	(d)		(d)	AFTERBURNER	(d) X	OTHER Existing

23. BASIC EQUIPMENT COST (Estimate)	24. CONTROL EQUIPMENT COST (Estimate)	25. DAILY HOURS	26. DAYS OF OPERATION (Circle)
150,000		FROM 12:00 AM to As needed 11:59 PM	S M T W T F S

27. ESTIMATED STARTING DATE OF CONSTRUCTION:	28. ESTIMATED COMPLETION DATE OF CONSTRUCTION:
January 25, 2001	February 26, 2001

29. RAW MATERIALS (List starting material used in process) AND FUELS (Type and amount)	ANNUAL AMT. UNITS	30. PRODUCTS (List End Products)	ANNUAL PROD. UNITS
(a) Fly Ash	10,000 Tons	(a) 1PM Cement	10,000 Tons
(b)		(b)	
(c)		(c)	
(d)		(d)	
(e)		(e)	
(f)		(f)	
(g)		(g)	

627152

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Notice of Construction Application | FORM P

STACKS OR VENTS (LIST NUMBER, TYPE, AND SIZE OF VENT)

31. NO. OF UNITS	DESCRIPTION OF OPENING	32. HEIGHT ABOVE GRADE (FT.)	33. VOLUME EXHAUSTED (ACFM)	DIMENSIONS (INCHES)	
				34. LENGTH (OR DIAM)	35. WIDTH
(a)	STACKS				
(b)	FLUES				
(c)	PROCESS OR GENERAL EXHAUST				
(d)	PROCESS OR GENERAL VENTS				
(e)	SKYLIGHT OR WINDOW				
(f)	EXHAUST HOOD				
(g)	OTHER				

FLOW DIAGRAM

36. FLOW DIAGRAM INSTRUCTIONS:

(a) FLOW DIAGRAM MAY BE SCHEMATIC. ALL EQUIPMENT SHOULD BE SHOWN WITH EXISTING EQUIPMENT SO INDICATED.
(b) SHOW FLOW DIAGRAM OF PROCESS STARTING WITH RAW MATERIALS USED AND ENDING WITH FINISHED PRODUCT.
(c) IF MORE THAN ONE PROCESS IS INVOLVED TO MAKE FINISHED PROOUCT, SHOW EACH PROCESS AND WHERE THEY MERGE.
(d) INDICATE ALL POINTS IN PROCESS WHERE GASEOUS OR PARTICULATE POLLUTANTS ARE EMITTED.
(e) FLOW CHART CAN BE ATTACHED SEPARATELY IF NECESSARY. (DRAWINGS MAYBE SUBMITTED INSTEAD IF DESIRED).
(f) SHOW PICKUP AND DISCHARGE POINTS FOR HANDLING OR CONVEYING EQUIPMENT.

See Attached

37. LIST OF ATTACHMENTS AND ACCOMPANYING DATA OR COMMENTS:

Form S
Form R
Environmental Checklist
Narrative Discription
Emisston Estimates
Flow Sheet

38. CERTIFICATION:

I, THE UNDERSIGNED, DO HEREBY CERTIFY THAT THE INFORMATION CONTAINED IN THIS APPLICATION AND THE ACCOMPANYING FORMS, PLANS, AND SUPPLEMENTAL DATA DESCRIBED HEREIN IS, TO THE BEST OF MY KNOWLEDGE, ACCURATE AND COMPLETE.

39. SIGNATURE

40. DATE 1/12/01

41. TYPE OR PRINT NAME: Gerald J. Brown

42. TITLE: Mgr. Safety & Environment

43. PHONE: 206 623- 5596

PUGET SOUND AIR POLLUTION CONTROL AGENCY

Engineering Division ▪ 110 Union Street, Room 500 ▪ Seattle, Washington 98101-2038 ▪ (206) 689-4052

NOTICE of CONSTRUCTION & APPLICATION for APPROVAL

FOR AIR POLLUTION CONTROL EQUIPMENT ONLY | **FORM R** | For Agency Use: Date: _____ N/C# _____

*Note: Information required by Section 1a must be completed for this form to be accepted for review.

1	a. Complete the Sections Indicated* [ ]1 [ ]2 [ ]3 [ ]4 [ ]5 [ ]6 [ ]7 [ ]8 [ ]9 [ ]10 [ ]11 [ ]12		b. Company (or owner) Installation Address: 3801 E. Marginal Way So. Seattle 98134	
	c. Company (or owner) Name: Ash Grove Cement Co.		d. Applicant	
	e. Prepared by (name and title): Gerald J. Brown, Safety & Env. Manager		f. Prepared by (signature)	g. Phone 206 623-5596
2	a. AIR POLLUTION CONTROL EQUIPMENT	b. Type of Equipment	c. Make & Model	d. Dimensions (LxWxH)
	e. Number of Units: Existing	f. Capacity	g. Auxiliary Equipment	h. Connected to:
3	a. BAGHOUSE Existing	b. Number of Bags	c. Shaking Cycle (auto or manual rapping or reverse air)	d. Cloth Area
	e. Material Used	f.	g. Air-to-Cloth Ratio (ft/minute)	h. Connected to:
4	a. ELECTROSTATIC PRECIP.	b. Electrode Separation (ft)	c. Coll. Electrode Dimensions LxW (ft)	d. Mean Velocity of Gas (ft/sec)
	e. Area (sq ft)	f. Voltage	g. Coll. Electrode or Plate Area (sq ft)	h. Connected to:
5	a. BURNERS	b. Type of Burner, Fuel	c. Make & Model	d. Rating
	e. Number of Units; Ignition	f.	g. CFM Exhausted (Temperature) _____ (_____°F)	h. Connected to:
6	a. STACKS, VENTS Existing	b. Type of Vent	c. Dimensions (LxWxH)	d. Dampers
	e. No. of Vents; Material Used	f.	g. CFM Exhausted (Temperature) _____ (_____°F)	h. Connected to:
7	a. SCRUBBERS	b. Type of Flow (spray, bubbler)	c. Packing Type/Size	d. Pressure Drop (inches of water)
	e. Composition of Solution	f.	g. Flow Rate (GPM)	h. Make-Up (GPM)
8	a. FANS Existing	b. Type of Fan (designate blade)	c. Make & Model	d. Motor Data _____ RPM _____ HP
	e. Number of Fans; Material Used	f.	g. CFM Exhausted (Temp @ SP) _____ (_____°F)	h. Connected to:
9	a. CYCLONES	b. Type of Cyclone [ ] Common [ ] Split Duct [ ] Multiclone	c. Make & Model	d. Inlet Area (sq ft)
	e. Number of Units; Material Used	f. Body Dia. (in.) / Outlet Dia. (in.)	g. Body Height (in.) / Efficiency	h. Connected to:
10	a. COLLECTION DATA	b. Description of Collected Matl.: Fly Ash/1PM Cement	c. Amount Collected (lbs/day)	d. Particle Size (microns avg.): 37 Micron
	e. Types of Pollutants [ ] Gas [ ] Particulate [ ] Odor	f.	g. Collection Efficiency: 99.99%	h. Disposition of Collection Waste: Returned to Process
11	a. GAS FLOW	b. Actual CFM	c. SCFM (Reg I Standard)	d. Temperature (°F) In _____ Out _____
	e. Pressure Drop	f. Efficiency	g. Inlet and Outlet Pollutant Concentrations	h.
12	a. ADDITIONAL DATA	b. [ ] Attach Brochure	c. [ ] Attach Plans/Specs	d. [X] Attach Emission Estimate (show calculation)
	e. [X] Submit Narrative Description of Process	f. [ ] Submit Source Test Data	g. [ ] Submit Modeling Data	h. [ ] Attach Schedule of Equipment with Make, Model, Capacity
	i. [ ]	j. [ ]	k. [ ]	l. [ ]

Form 50-125R (6/92)

AGCS2M002291 SEA0694

PUGET SOUND AIR POLLUTION CONTROL AGENCY

Engineering Division ▪ 110 Union Street, Suite 500 ▪ Seattle, Washington 98101-2038 ▪ (206) 689-4052

NOTICE of CONSTRUCTION & APPLICATION for APPROVAL

FOR BASIC PROCESS EQUIPMENT

FORM S

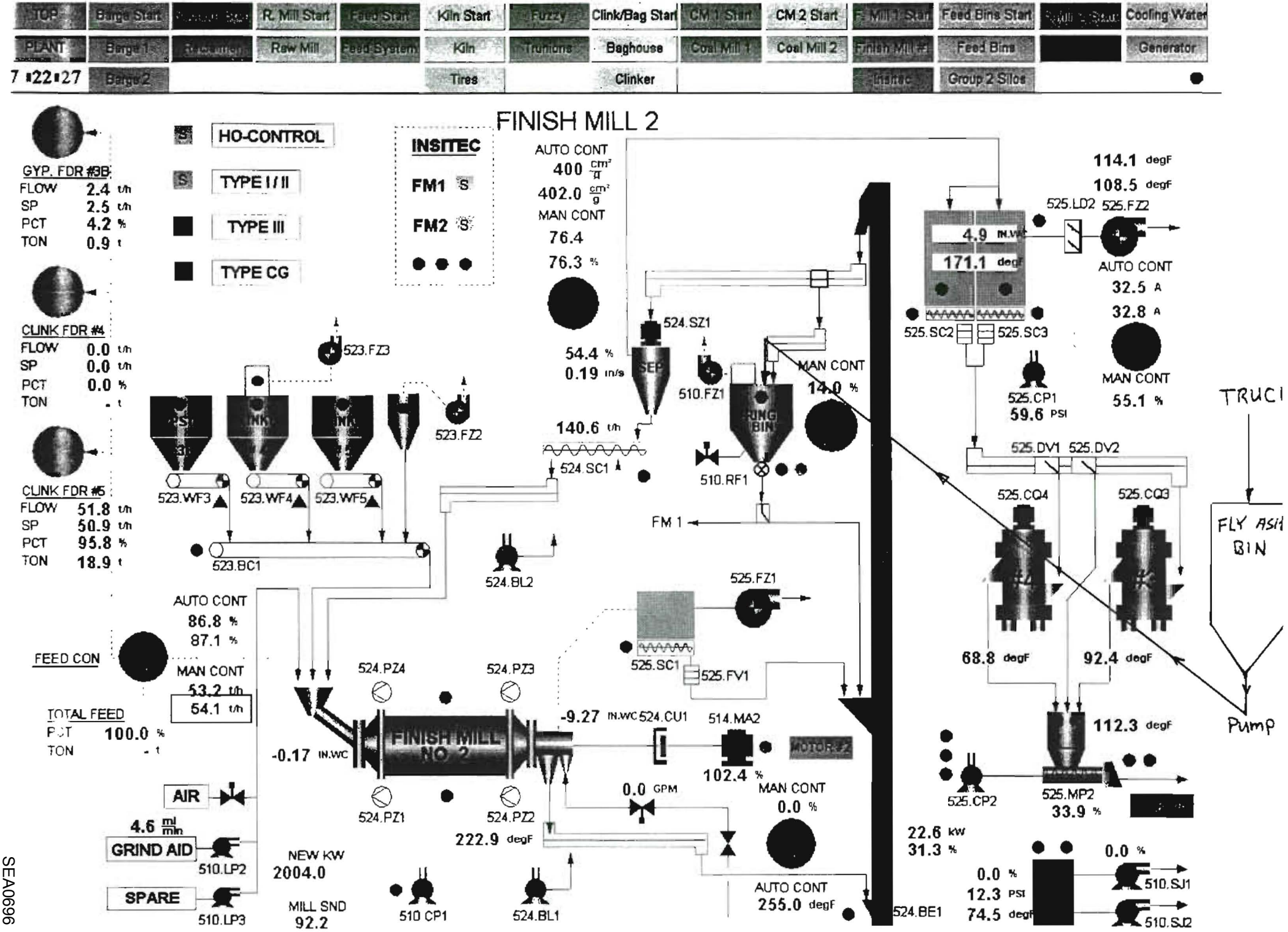
For Agency Use: Date: _____ N/C# _____

*Note: Information required by Section 1a must be completed for this form to be accepted for review.

1	a. Complete the Sections Indicated* [ ]1 [ ]2 [ ]3 [ ]4 [ ]5 [ ]6 [ ]7 [ ]8 [ ]9 [ ]10 [ ]11 [ ]12		b. Company (or owner) Installation Address: 3801 E. Marginal Way So. Seattle 98134	
	c. Company (or owner) Name: Ash Grove Cement Co.		d. Applicant	
	e. Prepared by (name and title): Gerald J. Brown, Mgr Safety & Env		f. Prepared by (signature)	g. Phone 206 623-5596
2	a. PROCESS EQUIPMENT	b. Title: 1PM Cement	c. Make & Model	d. Dimensions (LxWxH)
	e. # of Units; Rated Capacity: Existing	f.	g. Auxiliary Equipment	h. Connected to:
3	a.	b.	c.	d.
	e.	f.	g. Equipment	h. Connected to:
4	a. BURNERS	b. Type of Burner, Fuel	c. Make & Model	d. Rated Capacity
	e. # of Units; Ignition Method	f.	g. CFM Exhausted (Temperature) _____ (_____°F)	h. Connected to:
5	a. STACKS, VENTS, AND EXHAUST OPENINGS	b. Type of Vent: Existing Baghouses	c. Dimensions	d.
	e. # of Vents; Material of Construction	f.	g. CFM Exhausted (Temperature) _____ (_____°F)	h. Connected to:
6	a. TANKS AND KETTLES	b. Type of Tank, Material	c. Dimensions (LxWxH) in inches	d. Surface Area (sq. ft.) [ ] Closed [ ] Open
	e. # of Tanks; Material of Construction: Existing	f.	g. Auxiliary Equipment	h. Connected to:
7	a. FANS	b. Type of Fan (designate blade)	c. Make & Model	d. Motor Data _____ RPM _____ HP
	e. # of Fans; Material of Construction	f.	g. CFM Exhausted (Temperature) _____ (_____°F)	h. Connected to:
8	a. OVENS & FURNACES	b. Type of Oven or Furnace	c. Make & Model	d. Rated Capacity
	e. # of Ovens or Furnaces; Material of Construction	f.	g. CFM Exhausted (Temperature) _____ (_____°F)	h. Connected to:
9	a. OPERATIONAL DATA	b. Type of Operation [X] Batch [ ] Continuous	c. Operating Schedule (normal) Shifts/Day: [ ] 1 [X] 2 [ ] 3	d. Mode of Operations [ ] Manual [ ] Auto [ ] Semi-Auto
	e. Duration of Batch (hrs/batch)	f.	g. Daily # of Batches _____ avg _____ max	h.
10	a. CONVEYORS	b. Type of Conveyor (pneumatic, bolt)	c. Make & Model	d. Capacity
	e. Dimensions (LxWxH)	f.	g. # of Pickups # of Discharge Points	h. Connected to:
11	a. GAS FLOW	b. Actual CFM	c. SCFM (Reg I Standard)	d. Temperature (°F) In _____ Out _____
	e. Pressure Drop	f. Efficiency	g. Inlet and Outlet Pollutant Concentrations	h.
12	a. ADDITIONAL DATA	b. [ ] Attach Brochure	c. [ ] Attach Plans/Specs	d. [ ] Attach Emission Estimate (show calculation)
	e. [X] Submit Narrative Description of Process	f. [ ] Submit Source Test Data	g. [ ] Submit Modeling Data	h. [ ] Attach Schedule of Equipment with Make, Model, Capacity
	i. [ ]	j. [ ]	k. [ ]	l. [ ]

Form 50-125S (6/92)

AGCS2M002292 SEA0695


TOP
Barge Start
R. Mill Start
Feed Start
Kiln Start
Fuzzy
Clink/Bag Start
CM 1 Start
CM 2 Start
Feed Bins Start
Cooling Water
PLANT
Barge 1
Raw Mill
Feed System
Kiln
Trunions
Baghouse
Coal Mill 1
Coal Mill 2
Feed Bins
Generator
7 22 27
Barge 2
Tires
Clinker
Group 2 Silos
FINISH MILL 2
HO-CONTROL
TYPE I/II
TYPE III
TYPE CG
INSITEC
FM1
FM2
GYP. FDR #3B
FLOW 2.4 t/h
SP 2.5 t/h
PCT 4.2 %
TON 0.9 t
CLINK FDR #4
FLOW 0.0 t/h
SP 0.0 t/h
PCT 0.0 %
TON - t
CLINK FDR #5
FLOW 51.8 t/h
SP 50.9 t/h
PCT 95.8 %
TON 18.9 t
AUTO CONT
400 cm²/g
402.0 cm²/g
MAN CONT
76.4
76.3 %
54.4 %
0.19 in/s
140.6 t/h
MAN CONT
14.0 %
114.1 degF
108.5 degF
525.LD2
525.FZ2
4.9 IN.WC
171.1 degF
AUTO CONT
32.5 A
32.8 A
MAN CONT
55.1 %
525.SC2
525.SC3
525.CP1
59.6 PSI
523.FZ3
523.FZ2
524.SZ1
510.FZ1
524.SC1
510.RF1
525.DV1
525.DV2
525.CQ4
525.CQ3
68.8 degF
92.4 degF
TRUCI
FLY ASH BIN
Pump
523.WF3
523.WF4
523.WF5
523.BC1
524.BL2
FM 1
525.FZ1
525.SC1
525.FV1
AUTO CONT
86.8 %
87.1 %
FEED CON
MAN CONT
53.2 t/h
54.1 t/h
TOTAL FEED
PCT 100.0 %
TON - t
524.PZ4
524.PZ3
-9.27 IN.WC
524.CU1
514.MA2
MOTOR #2
102.4 %
112.3 degF
525.CP2
525.MP2
33.9 %
-0.17 IN.WC
FINISH MILL NO 2
524.PZ1
524.PZ2
0.0 GPM
MAN CONT
0.0 %
AIR
4.6 ml/min
GRIND AID
510.LP2
SPARE
510.LP3
NEW KW
2004.0
MILL SND
92.2
222.9 degF
510 CP1
524.BL1
AUTO CONT
255.0 degF
524.BE1
22.6 kW
31.3 %
0.0 %
0.0 %
12.3 PSI
74.5 degF
510.SJ1
510.SJ2
SEA0696
AGCS2M002293

Fly Ash Cement Additive
NOC# 5338 Permit Revision

The use of Fly Ash is currently permitted for used as a raw material under Notice of Construction. This permit was approved on March 15, 1994 for one 150 ton Storage Silo with a 750 cfm fabric filter dust collector and a pneumatic conveyer and authorizes the plant to use up to 35,000 tons of Fly Ash annually in the existing raw grinding mill for raw kiln feed.

The purpose of this project is to provide a means of introducing and to accurately measure and control the addition rate of a portion of this fly ash into one of two-cement mill finish grinding circuits. The resulting blend is known as IPM cement. The project would utilize the 150-ton Storage Silo and a 750-cfm fabric filter dust collector currently permitted. The tank system will remain at its current location on the north side of the clinker silo.

A new Fuller FK material pump and transport lines will be added to transport the fly ash into the finish mill for storage in an existing bin. A new Ramsey horizontal rotary gravimetric feeder installed on the existing bin for quality control and automatic mill circuit control. Dedusting of the Finish Mill is by the existing mill separator and mill sweep systems.

The new Type IPM cement will be stored in our Group II silos and loaded into container trucks or rail cars. Dedusting of this location is by the existing systems. This project is expected to increase overall cement production by 10,000 tons (9072 Mg) annually.

Calculation of dust load

FLY ASH TANK – No emission increase. **= 0.00 tons/yr.**

Calculation of dust load at 10,000 tons

FINISH MILL

Separator D/C emission factor: 1.02x10-2 kg/Mg

1.02x10-2 kg/Mg x 9072 Mg/yr. = 92.5 kg/yr.

Mill Sweep D/C emission factor: 4.75x10-3. kg/Mg

4.75x10-3. kg/Mg x 9072 Mg/yr. = 43.1 kg/yr

Total finish mill increase = 135.6 kg/yr. **= 0.15 tons/yr.**

GROUP II

GpII Silo (S) D/C emission factor: 1.21x10-3 kg/Mg

1.21x10-3 kg/Mg x 9072 Mg/yr. = 10.97 kg/yr. **= 0.12 tons/yr.**

Project total = 0.027 tons/yr.

PUGET SOUND AIR POLLUTION CONTROL AGENCY
110 Union Street, Suite 500
Seattle, Washington 98101

ENVIRONMENTAL CHECKLIST

WAIT - You may not need to fill out the attached checklist.
Please read and check the following:

Because of the State Environmental Policy Act, the action for which you are filing a Notice of Construction and Application for Approval to this Agency requires the completion of an environmental checklist.

BUT: If you can answer "yes" to either of the following questions with respect to the action being proposed, the attached checklist need not be completed:

1. I have obtained a State, City or County Permit and filled out an environmental checklist.

   [ ] Yes [X] No

   If you answered "yes", give State, City or County Department and date, and attach a copy of the checklist.

2. An environmental checklist or assessment has previously been filled out for another agency.

   [ ] Yes [X] No

   If "yes", give agency and date, and attach a copy of the checklist.

If your answer to both of the above questions was "no", you must fill out the attached environmental checklist.

Prepared by:

(Signature)

Gerald J. Brown
(Print Name)

Mgr. Safety and Environment
(Title)

Form No. 66-150 5/29/92

Puget Sound Air Pollution Control Agency

110 Union Street, Suite 500
Seattle, Washington 98101
Telephone: (206) 343-8800
1-800-552-3635

Date: 12/14/00

Proponent: Ash Grove Cement Co.

Project, Brief Title: Fly Ash Cement Additive

ENVIRONMENTAL CHECKLIST

Purpose of Checklist:

The State Environmental Policy Act (SEPA), Chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

Instructions for Applicants:

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply". Complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Use of checklist for nonproject proposals:

Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D).

For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer," and "affected geographic areas," respectively.

TO BE COMPLETED BY THE APPLICANT

A. BACKGROUND

1. Name of proposed project, if applicable:

   Fly Ash Cement Additive

2. Name of applicant: Ash Grove Cement Co.

3. Address and phone number of applicant and contact person:

   Name: G.J. Brown Title: Mgr. Safety and Environment

   Firm: Ash Grove Cement Co. Telephone: (206) 623-5596

   PO Box/Street: 3801 E. Marginal Way So.

   City/State/Zip: Seattle WA. 98134

4. Date checklist prepared: 12/14/00

5. Agency requesting checklist: PSCAA

6. Proposed timing or schedule (including phasing, if applicable):

   Start January 1,2000 complete February 1, 2000

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

   No

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

None

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

No

10. List any government approvals or permits that will be needed for your proposal, if known.

PSCAA NOC

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page.

The use of Fly Ash is currently permitted under NOC# 5338 as a raw material. This proposal revises this permit to use a portion of the Fly Ash as an additive to finish Portland Cement.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

3801 East Marginal Way South, Seattle WA. 98134

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site (circle one): Flat, rolling, hilly, steep slopes, mountainous, other: _____

b. What is the steepest slope on the site (approximate percent slope)?
2%

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.
Hydraulic dredge fill over sands and silt at considerable depth @200 feet below existing ground surface

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

No

e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

None

f. Could erosion occur as a result of clearing, construction or use? If so, generally describe.

No

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

None

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

Not Applicabe

2. Air

a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial, wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

Dust emissions through collector.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

No

c. Proposed measures to reduce or control emissions or other impacts to air, if any:

Existing fabric dust collectors.

3. Water

a. Surface:

1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

Duwanish River borders west side of the plant.

2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

No

3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

None

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

No

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

No

6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

No

b. Ground:

1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose and approximate quantities if known.

No

2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: domestic sewage; industrial, containing the following chemicals...; agricultural; etc.). Describe the general size of the systems, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

None

c. Water Runoff (including storm water):

1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

No run off from this project.

2) Could waste material enter ground or surface waters? If so, generally describe.

No

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:

None

4. Plants

a. Check or circle types of vegetation found on the site:

X deciduous tree: alder, maple, aspen, other
X evergreen tree: fir, cedar, pine, other
X shrubs
X grass
___ pasture
___ crop or grain
___ wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
___ water plants: water lily, eelgrass, milfoil, other
___ other types of vegetation

b. What kind and amount of vegetation will be removed or altered?

None

c. List threatened or endangered species known to be on or near the site.

None

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

None

5. Animals

a. Circle any birds and animals which have been observed on or near the site or are known to be on or near the site:

Birds: hawk, heron, eagle, songbirds, other:

None

Mammals: deer, bear, elk, beaver, other:

None

Fish: bass, salmon, trout, herring, shellfish, other:

None

b. List any threatened or endangered species known to be on or near the site.

None

c. Is the site part of a migration route? If so, explain.

No

d. Proposed measures to preserve or enhance wildlife, if any:

None

6. Energy and Natural Resources

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

Electric

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

No

c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:

None

7. Environmental Health

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.

No

1) Describe special emergency services that might be required.

None

2) Proposed measures to reduce or control environmental health hazards, if any:

None

b. Noise

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

None

2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

None

3) Proposed measures to reduce or control noise impacts, if any:

None

8. Land and Shoreline use

a. What is the current use of the site and adjacent properties?

Heavy Manufacturing

b. Has the site been used for agriculture? If so, describe.

No

c. Describe any structures on the site.

No new structures are proposed.

d. Will any structures be demolished? If so, what?

No

e. What is the current zoning classification of the site?

General Industrial 1 (IG-1)

f. What is the current comprehensive plan designation of the site?

Industrial

g. If applicable, what is the current shoreline master program designation of the site?

Urban Industrial

h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.

No

i. Approximately how many people would reside or work in the completed project?

None

j. Approximately how many people would the completed project displace?

None

k. Proposed measures to avoid or reduce displacement impacts, if any:

Not Applicable

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

Not Applicable

9. Housing

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

Not Applicable

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

Not Applicable

c. Proposed measures to reduce or control housing impacts, if any:

None

10. Aesthetics

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

No New Structures

b. What views in the immediate vicinity would be altered or obstructed?

None

c. Proposed measures to reduce or control aesthetic impacts, if any:

None

11. Light and Glare

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

None

b. Could light or glare from the finished project be a safety hazard or interfere with views?

No

c. What existing off-site sources of light or glare may affect your proposal?

None

d. Proposed measures to reduce or control light and glare impacts, if any:

None

12. Recreation

a. What designated and informal recreational opportunities are in the immediate vicinity?

None

b. Would the proposed project displace any existing recreational uses? If so, describe.

No

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

None

13. Historic and Cultural Preservation

a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.

No

b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.

None

c. Proposed measures to reduce or control impacts, if any:

None

14. Transportation

a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.

The Site is served by E. Marginal Way So. Access is by way of a driveway

b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?

No

c. How many parking spaces would the completed project have? How many would the project eliminate?

None

d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private).

No

e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

No

f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

There will be no increase in vehicular trips. No peak volume.

g. Proposed measures to reduce or control transportation impacts, if any:

No impact

15. Public Services

a. Would the project result in an increased need for public services (for example, fire protection, police protection, health care, schools, other)? If so, generally describe.

No

b. Proposed measures to reduce or control direct impacts on public services, if any.

None

16. Utilities

a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.

All apply

b. Describe the utilities that are proposed for the project, the utility providing the service, and service, and the general construction activities on the site or in the immediate vicinity which might be needed.

None

C. SIGNATURE

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: _____

Date Submitted: 1/12/01

D. SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS

(Do not use this sheet for project actions)

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

1. How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substance; or production of noise?

Negligible impact on air. Emissions controlled by dust collection.

Proposed measures to avoid or reduce such increase are:

Use of existing dust collection systems.

2. How would the proposal be likely to affect plants, animals, fish, or marine life?

There will be no effect.

Proposed measures to protect or conserve plants, animals, fish, or marine life are:

Not applicable.

3. How would the proposal be likely to deplete energy or natural resources?

No Effect

Proposed measures to protect or conserve energy and natural resources are:

Not applicable

4. How would the proposal be likely to use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection; such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands?

No effect

Proposed measures to protect such resources or to avoid or reduce impacts are:

Not Applicable

5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?

No effect

Proposed measures to avoid or reduce shoreline and land use impacts are:

Not Applicable

6. How would the proposal be likely to increase demands on transportation or public services and utilities?

No effect

Proposed measures to reduce or respond to such demand(s) are:

Not Applicable

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.

None